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*North America's Leader in Hazardous Material Information Management*  
*1905 Aston Avenue, Carlsbad, CA 92008*  
*Phone (800) 451-8346 Fax (760) 602-8888*

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## MSDS PRODUCT INFORMATION

Date: 10/07/2005  
To: MSDS Requester  
From: 3E Company  
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☒ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☐ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Flecto Co.

Product Name: Varathane Professional Floor Finish (DISCONTINUED)



# Material Safety Data Sheet

## Section 1: Chemical Product and Company Identification

Common Name	<b>Varathane® Professional Floor Finish</b>	Code	Professional Floor Finish Products
Supplier	The Flecto Company, Inc. 1000 45th Street Oakland, California 94608	MSDS#	June 1998
Synonym	1300,1301,1302 VOC <550 g/l (4.6 lbs/gal)	TSCA Inventory	All raw materials are listed.
Trade name	Varathane® Professional Floor Finish	Validation Date	6/22/98
Material Uses	For wood floors.	Print Date	7/13/98
Manufacturer	The Flecto Company, Inc. 1000 45th Street Oakland, California 94608	In case of Emergency	Emergency phone: 800-255-3924 For information Call: 800-635-3286

## Section 2: Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC <sub>50</sub> /LD <sub>50</sub>
Mineral Spirits	064742478	<67.0	TWA: 100 (ppm)	Not available.
Xylene	001330207	<2.0	TWA: 100 CEIL: 150 (ppm) TWA: 435 CEIL: 655 (mg/m <sup>3</sup> )	ORAL (LD50): Acute: 4300 mg/kg [Rat]. 6100 mg/kg [Rat].
Ethanol	64-17-5	<0.5	TWA: 1000 (ppm) from ACGIH	ORAL (LD50): Acute: 7060 mg/kg [Rat]. 3450 mg/kg [Mouse]. 6300 mg/kg [Rabbit]. VAPOR (LC50): Acute: 8000 ppm 4 hour(s) [Rat].

## Section 3: Hazards Identification

Emergency Overview	May cause eye irritation. May cause skin irritation. May be harmful or fatal if swallowed.
Potential Acute Health Effects	Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).
Potential Chronic Health Effects	Non-sensitizer for skin. Non-permeator by skin. <b>CARCINOGENIC EFFECTS:</b> Not available. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Not available. <b>DEVELOPMENTAL TOXICITY:</b> Not available.
Target Organs:	Not available.
Routes of Entry	Eye contact. Inhalation. Ingestion.
Medical Conditions Aggravated by Overexposure:	There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.
Signs and Symptoms of Overexposure:	Not available.

**Section 4: First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention.
<b>Skin Contact</b>	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
<b>Hazardous Skin Contact</b>	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
<b>Inhalation</b>	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
<b>Hazardous Inhalation</b>	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation.
<b>Ingestion</b>	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
<b>Hazardous Ingestion</b>	No additional information.

**Section 5: Flammability and Fire Data**

<b>Flammability of the Product</b>	Combustible.
<b>Auto-Ignition Temperature</b>	The lowest known value is 218°C (424.4°F) (Mineral Spirits).
<b>Flash Points</b>	CLOSED CUP: 37.8°C (100°F). (Setaflash.).
<b>Flammable Limits</b>	The greatest known range is LOWER: 1.1% UPPER: 6% (Mineral Spirits)
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2)
<b>Fire Hazards in Presence of Various Substances</b>	Flammable in presence of open flames and sparks.
<b>Explosion Hazards in Presence of Various Substances</b>	No danger known.
<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use DRY chemicals, CO2, water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
<b>Special Remarks on Fire Hazards</b>	Combustible.
<b>Special Remarks on Explosion Hazards</b>	No additional remark.

**Section 6: Accidental Release Measures**

<b>Small Spill</b>	Mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
<b>Large Spill</b>	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

**Section 7: Information on NEP-Group**

**Section 7. Handling and Storage**

Handling	After handling, always wash hands thoroughly with soap and water.
Storage	Keep container dry. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

**Section 8. Exposure Controls/Personal Protection**

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.	
Personal Protection	Lab coat. Vapor respirator. Be sure to use a MSHA approved respirator or equivalent. Gloves (impervious). Safety glasses.	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.	
Chemical Name or Product Name	CAS #	Exposure Limits
Mineral Spirits	064742478	TWA: 100 (ppm)
Xylene	001330207	TWA: 100 CEIL: 150 (ppm) TWA: 435 CEIL: 655 (mg/m³)
Ethanol	64-17-5	TWA: 1000 (ppm) from ACGIH

**Section 9. Physical and Chemical Properties**

Physical state and appearance	Liquid.	Odor	Hydrocarbon.
Molecular Weight	Not applicable.	Taste	Not available.
pH (1% soln/water)	Not available.	Color	Light straw.
Boiling/Condensation Point	The lowest known value is 168°C (334.4°F) (Mineral Spirits).		
Melting/Sublimation Point	Not available.		
Critical Temperature	Not available.		
Specific Gravity	0.88 (Water = 1)		
Vapor Pressure	The highest known value is 2 mm of Hg (@ 20°C) (Mineral Spirits).		
Vapor Density	The highest known value is 4.9 (Air = 1) (Mineral Spirits).		
Volatility	<66% (v/v).		
Odor Threshold	Not available.		
Evaporation rate	Not available.		
Viscosity	33 - 37 seconds #4 Ford Cup		
Water/Oil Dist. Coeff.	The product is more soluble in oil.		
Ionicity (In Water)	Not available.		
Dispersion Properties	Not available.		
Solubility	Soluble in mineral spirits.		
Physical Chemical Comments	Not available.		

**Section 10: Stability and Reactivity**

Chemical Stability	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with various substances	None known.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	No.

**Section 11: Toxicological Information**

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. May be harmful or fatal if swallowed.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.
Special Remarks on other Toxic Effects on Humans	No additional remark.


**Section 12: Ecology/Environmental Information**

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.
Special Remarks on the Products of Biodegradation	No additional remark.

**Section 13: Disposal Considerations**

Waste information	Use product or recycle. Consult local or regional authorities.
Waste stream	Consult local or regional authorities.

**Section 14: Transport Information**

DOT Classification	DOT CLASS 3: Combustible liquid with a flash point greater than 37.8°C (100°F). Not regulated for highway travel; Considered flammable for air or ocean transport. UN1263	
Proper Shipping Name	Paint	
DOT Identification Number	Not regulated for highway travel; Considered flammable for air or ocean transport. UN1263	
Packing Group	II	
Maritime transportation	Not available.	
Hazardous Substances Reportable Quantity	Not available.	

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**Varathane® Professional Floor Finish**

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Special Provisions for Transport	No additional remark.
TDG Classification	TDG CLASS 3: Flammable liquid.
ADR Classification	ADR CLASS: Flammable liquid D. Non-toxic and non-corrosive liquid with a flash point between 21°C (70°F) and 100°C (212°F).
IMDG Classification	IMDG CLASS 3: Flammable liquid.
IATA Classification	IATA CLASS 3: Flammable liquid.

**Section 15 Regulatory Information**

Federal and State Regulations	<p><u>SARA 313 toxic chemical notification and release reporting:</u></p> <p>Xylene; Ethylbenzene; Diethylene Glycol Monomethyl Ether; Manganese Compounds; Ethyleneglycol monobutyl ether; Diethylene glycol monobutyl ether;</p> <p><u>CERCLA hazardous substances:</u></p> <p>Ethanol; Diethylene glycol monobutyl ether;</p>
Other Classifications	<p><b>WHMIS (Canada)</b> WHMIS CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).</p> <p><b>Canadian Regulatory Lists</b> <u>CEPA DSL:</u> Product(s): Mineral Spirits, Xylene, Amorphous silica, Denatured Alcohol, Organo Clay</p> <p><b>DSCL (EEC)</b> R11- Highly flammable.</p> <p><b>International Regulatory Lists</b> No products were found.</p>

**Section 16 Other Information****HMIS (U.S.A.)**

Health Hazard	1
Fire Hazard	2
Reactivity	0
Personal Protection	G

**National Fire Protection Association (U.S.A.)**

Health



Fire Hazard

Reactivity

Specific hazard

**References** Primarily MSDS information on components.

**Other Special Considerations** VOC <550 g/l (4.6 lbs/gal) Typically packaged in metal (steel) one gallon containers.

Validated by Ken Trautwein on 6/22/98.

Verified by Jim Tuck.

Printed 7/13/98.

**Emergency phone:**

800-255-3924

**For Information Call:**

800-635-3286

**Notice to Reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.